

## **PSAP 2019 Book 2 (*Current Issues in Pharmacotherapy*)**

**Total Available Hours:** 15.0

**BCPS test deadline:** 11:59 p.m. (Central) on November 15, 2019.

**ACPE test deadline:** 11:59 p.m. (Central) on May 14, 2022.

### **Current Issues in Pharmacotherapy I (Module 1) – Credit Hours: 5.0**

#### **Chapter: Solid Organ Transplantation**

##### **Learning Objectives**

1. Compare and contrast allocation models within solid organ transplantation (SOT).
2. Design an induction immunosuppressive pharmacotherapeutic plan that considers patient and allograft factors.
3. Evaluate the standard and novel maintenance immunosuppression regimens in a recipient of SOT.
4. Consider patient- and therapy-specific factors to develop treatment of antibody-mediated rejection in recipients of SOT.
5. Evaluate the utility of pharmacotherapy in prevention of chronic rejection in recipients of SOT.

#### **Chapter: Infection Prophylaxis in the Immunocompromised Patient**

1. Distinguish between mechanisms of immunocompromise.
2. Evaluate the risk factors affecting choice and duration of antimicrobial agent in the prevention of opportunistic infections.
3. Assess the safety, efficacy, and cost of antimicrobials used in the prevention of opportunistic infections.
4. Design a patient-specific prophylactic regimen.

### **Current Issues in Pharmacotherapy II (Module 2) – Credit Hours: 4.0**

#### **Chapter: Medical Cannabis**

1. Assess the mechanism of action of the cannabinoids and the physiologic effects of the endocannabinoid system.
2. Analyze pharmacokinetic properties of cannabis according to route of administration.
3. Evaluate the evidence for use of cannabis for medical purposes, as well as the effect of current regulation on research efforts.
4. Design a plan to manage potential adverse health effects related to medical cannabis use.

#### **Long-Term Management of Corticosteroids**

1. Assess a patient for the most common complications resulting from long-term corticosteroid therapy.
2. Design a monitoring strategy to identify drug-related problems in patients who require long-term corticosteroids.
3. Justify the use of therapies to prevent and treat corticosteroid-related adverse effects

## **Current Issues in Pharmacotherapy III (Module 3) – Credit Hours: 6.0**

### **Interactive Case: BK Virus in Immunocompromised Patients**

#### **Learning Objectives**

1. Assess recipients of renal transplant and hematopoietic stem cell transplant (HSCT) for BK-virus-related complications and need for treatment.
2. Evaluate available therapy options for management of patients with symptomatic BK viraemia or BK virus nephropathy.
3. Design immunosuppression for patients with renal transplants who present with BK virus nephropathy or patients with HSCT who present with BK-virus-associated hemorrhagic cystitis.

### **Recorded Webcast: EHR Use in Acute Care Pharmacy Services**

#### **Learning Objectives**

1. Assess opportunities to improve the medication reconciliation process in the electronic health record (EHR) during admission and discharge.
2. Evaluate EHR tools with respect to medication verification, dispensing, and ordering, as well as patient education.
3. Design a plan to use EHR tools to optimize medication administration.
4. Evaluate EHR tools and metrics to optimize the medication-monitoring workflow.

### **Statistics in Practice: Nature of Data, Descriptive Statistics, and Presentation of Data**

#### **Learning Objectives**

1. Distinguish different data types, measurement scales, and variables types commonly used in biomedical research.
2. Evaluate the appropriateness of the use of measures of central tendency and dispersion to describe a dataset.
3. Evaluate a descriptive analytical plan for different data types.
4. Distinguish the different graphical tools commonly used for the presentation of qualitative and quantitative variables.
5. Assess the appropriateness of commonly used graphical tools for different data sets.